

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT	ATTY. DOCKET NO. VPI/SW/002 CIP2 FWC DIV2 CON	SERIAL NO. 09/670,106
	APPLICANT P. Sleath et al.	CONFIRMATION NO. 5809
	FILING DATE September 26, 2000	GROUP 1614

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
cm	4,636,492	1/13/87	Kettner et al.	514	18	
	4,644,055	2/17/87	Kettner et al.	530	330	
	4,652,552	3/24/87	Kettner et al.	514	18	
	4,808,523	2/28/89	Revel et al.	435	69.51	
	5,104,853	4/14/92	Beason et al.	514	12	
	5,225,354	7/6/93	Knowles et al.	436	548	
	5,304,481	4/19/94	Davies et al.	435	196	
	5,756,465	5/26/98	Sleath et al.	514	17	

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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	0 272 671	6/24/88	EP				
	0 533 350	3/24/93	EP				
cm	WO91/15577	10/17/91	WIPO				
cm	WO93/05071	3/18/93	WIPO				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
cm	Beuscher et al. IL-1 beta is secreted by activated murine macrophages as biologically inactive precursor. <i>J. Immunol.</i> 144 , 2179 (1990).
	Black et al. Generation of biologically active interleukin-1 β by proteolytic cleavage of the inactive precursor. <i>J. Biol. Chem.</i> 263 , 9437 (1988).
	Black et al. A pre-aspartate-specific protease from human leukocytes that cleaves pro-interleukin 1 β . <i>J. Biol. Chem.</i> 264 , 5323 (1989).
	Black et al. Activation of interleukin-1 β by a co-induced protease. <i>FEBS Letts.</i> 247 , 386 (1989).
	Black et al. Identification of a protease that processes interleukin-1 β . In <i>Molecular and Cellular Biology of Cytokines</i> . (J. Oppenheim, M. Powanda, M. Kluger, C. Dinarello, Eds.) pp. 69-74, Wiley-Liss, New York, NY (1990).

EXAMINER

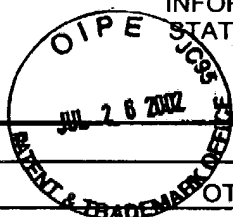
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Black et al. Purification and molecular cloning of the IL-1 β processing enzyme. *J. Cell. Biochem. Supp.* **15G**, CH 201 (1991).

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Black et al. The proteolytic activation of Interleukin-1b. In *Progress in Inflammation Research and Therapy*. (N. Ackerman, R. Bonney, A. Welton, Eds.) pp. 85-89 Birkhauser Verlag, Basel (1990).

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CAPLUS DN 116 50949, Rosenthal et al. *J. Clin. Invest.* **88**, 1467 (Abstract) (1991).

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CAPLUS DN 118: 208112, Thornberry et al. *Nature* **35**, 768 (Abstract) (1992).

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Casano et al. The structure and complete nucleotide sequence of the murine gene encoding interleukin-1 β converting enzyme (ICE). *Genomics* **20**, 474 (1994).Cerretti et al. Molecular cloning of the IL-1 β processing enzyme. *J. Cell. Biol. Supp.* **F15**, P506 (1991).Cerretti et al. Molecular cloning of the IL-1 β processing enzyme. *Cytokine* p. 137 (1991).Cheremisinoff et al. (eds). *Biotechnology Applications and Research*, Technomics Publishing Co, Inc. pp. 21, 541-557 (1985).Dower et al. The interleukin-1 system: Receptors, ligands and signals. *Chem. Immunol.* **51**, 33 (1992).Dreyer et al. Inhibition of human immunodeficiency virus 1 protease in vitro: rational design of substrate analogue inhibitors. *Proc. Natl. Acad. Sci. USA* **86**, 9752 (1989).Hazuda et al. The kinetics of interleukin 1 secretion from activated monocytes. *J. Biol. Chem.* **263**, 8473 (1988).Howard et al. IL-1-converting enzyme requires aspartic acid residues for processing of the IL-1 β precursor at two distinct sites and does not cleave 31-kDa IL-1a. *J. Immunol.* **147**, 2964 (1991).Kitada et al. New peptide models for studying racemization. *Chem. Pharm. Bull.* **26**, 585 (1978).Knittel et al. Stimulation of insulin secretion from pancreatic islets by the cholecystokinin-tetrapeptide analogs Trp-Pro-Asp-Phe-NH₂ and Trp-Pro-Asp-Phe(4'-NO₂)-NH₂. *Pept. Res.* **3**, 224 (1990).Koga et al. Comparative study on specifics of rat cathepsin L and papain: amino acid differences as substrate binding sites are involved in their specificities. *J. Biochem.* **108**, 976 (1990).Kostura et al. Identification of a monocyte specific pre-interleukin 1 β convertase activity. *Proc. Natl. Acad. Sci. USA* **86**, 5227 (1989).Lee et al. Generation of cDNA probes directed by amino acid sequence: Cloning of urate oxidase. *Science* **239**, 1288 (1988).Malek et al. Amino acid sequence of an invertebrate FBP aldolase (from *Drosophila melanogaster*). *Biochem. Biophys. Res. Comm.* **126**, 195 (1985).

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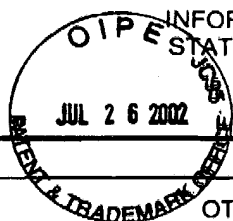
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Sigma catalog. pp. 294-295, 312, 351-352 (1989).

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